

NEONATOLOGY TODAY

News and Information for BC/BE Neonatologists and Perinatologists

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Special Issue: **NEO 2012**
PREVIEW EDITION

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NEONATOLOGY TODAY

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Neonatology Today (NT) is a monthly newsletter for BC/BE neonatologists and perinatologists that provides timely news and information regarding the care of newborns and the diagnosis and treatment of premature and/or sick infants.

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Preview of NEO 2012 - The Conference for Neonatology, February 23rd-26th, 2012 at Walt Disney World® Resorts, Orlando, Florida

Alan R. Spitzer, MD

It is our pleasure to highlight the Sixth Annual *NEO - The Conference for Neonatology* in this special edition of *Neonatology Today*. *NEO* started six years ago as the new edition of the former *Management of the Tiny Baby Conference*, which ran for 28 years before this transition. *NEO* has now become one of the major annual meetings in all of newborn medicine, highlighted by the Legends of Neonatology presentations. The line-up for this year's meeting is one of the best to date, with a wide range of topics and world-renowned speakers who will address many of the most critical and controversial issues that are affecting the clinical practice of newborn medicine in the rapidly changing environment of health care. An additional exciting development this year for our international guests will be the simultaneous translation of the meeting into Spanish.

As usual, the meeting starts with a *Pre-Conference Day* dedicated to Quality Improvement in Neonatology. The Maintenance of Certification (MOC) Program of the American Board of Pediatrics now consists of four parts, with Part Four being devoted to the demonstration of meaningful participation in quality improvement. So that participants

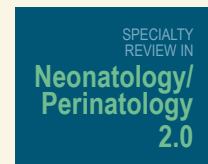
can better appreciate and utilize the methodology and tools of Continuous Quality Improvement (CQI), Wednesday, February 22nd, will be devoted to a full day Pre-Conference Session on this timely issue. Led by Dan Ellsbury, MD, and Robert Ursprung, MD, two national leaders in neonatal CQI, this pre-conference session is ideally suited to preparing the clinician for understanding and developing sound quality improvement initiatives in the NICU. Dr. Ellsbury and Dr. Alan Spitzer edited the March 2010 issue of *Clinics in Perinatology* that was devoted to CQI in neonatal medicine. As a follow-up to that publication, Drs. Spitzer and Ellsbury have recently completed the editing of the forthcoming March 2012 issue of *Clinics in Perinatology* that will be dedicated to evidence-based neonatal pharmacotherapy.

The main conference starts on Thursday, February 23rd, 2012, and runs through Sunday February 26th. Major themes of the meeting include: Management of Neonatal Lung Disease, The Baby with Endocrine Problems, The Neonate with Cardiac Disease, Transfusion and Fluid Therapy in Newborn Medicine, Fetal Diagnosis and Management in the Modern Era, and Neonatal Brain Injury. Each of these sessions has many of the foremost experts in the country addressing the topics for which they have become renowned.



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THE CONFERENCE
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One of the premier meetings in
neonatal medicine



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“One of the other unique features of the Neo Conference is the annual ‘Legends of Neonatology.’”

One of the other unique features of the *NEO Conference* is the annual “Legends of Neonatology” awards. Starting in 2007 at the first *NEO Conference*, we have made an effort to acknowledge and show our appreciation to some of the most legendary figures in the history of Neonatology. This year’s honorees will be William Oh, MD, who pioneered our understanding of neonatal metabolism, fluid therapy in the newborn, neonatal nutrition, renal function, bilirubin metabolism, and neonatal neurodevelopmental outcome, among many others. His immense contributions to the field of neonatology are astonishing and his illustrious career serves as a model for all neonatal practitioners to emulate. Dr. Oh will also honor us with a talk about the history of neonatal fluid therapy on the Friday afternoon of the *NEO Conference*. The other honoree this year is Abraham Rudolph, MD, about whom it has been said that he is responsible for much of what we know about congenital heart disease. His classic studies on digitalis in infants and children, his explorations of many of the common forms of congenital heart disease, his pioneering work in cardiac catheterization in newborns, and his groundbreaking evaluation of the fetal and transitional circulations are but a part of his contributions to neonatal care. The work of these two legendary giants has dramatically changed the care of the neonate and is one of the reasons why outcomes for critically ill infants have improved so dramatically in the last few decades. Dr. Spitzer, Course Director for *NEO*, will review the history leading up to the contributions of these “Legends” and show how their work has become the core upon which much of modern newborn medicine is founded. This night is always a very special event and a highlight of the meeting that attendees should not miss!

This year’s event at the incredible Walt Disney World® Dolphin Hotel in Orlando will be one of the foremost programs of the year in Neonatology. The *NEO Conference* is run alongside another great meeting in Newborn Medicine—*Specialty Review 2.0*—for individuals looking for a broader review of the field of neonatology. We very much hope that you can join us for one of these meetings and promise you an educational experience that you will not soon forget.

NT

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~on behalf of the NEO Planning Committee~





**Wednesday Session
February 22, 2012
CQI Pre-Conference**

Pre-Conference Day Topics

- The Case for Quality Improvement
- Overview of Maintenance Certification
- Using Quality Measures and Common Databases
- The Model for Improvement

QI Workshops

- Retinopathy of Prematurity
- Catheter-Associated Infections
- Necrotizing Enterocolitis
- Bronchopulmonary Dysplasia
- Admission Hypothermia
- Medication Overuse

CQI RECEPTION FOR PRE-CONFERENCE ATTENDEES

Moderated by Dan Ellsbury, MD and Robert Ursprung, MD, MMS

“The line-up for this year’s meeting is one of the best to date, with a wide range of topics and world-renowned speakers who will address many of the most critical and controversial issues that are affecting the clinical practice of Newborn Medicine in the rapidly changing environment of health care.”





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Thursday, February 23, 2012
Seminars in Neonatology

Management of Neonatal Lung Disease

Oxygen Targeting—What's Best for the Baby?

- Max Vento, MD

The Baby With RDS—CPAP, Ventilator, What Do You Do?

- Richard Polin, MD

Dilating the Pulmonary Vascular Bed

- Satyanarayana Lakshminrusimha, MD

Nutrition and Fluid Management in the Chronically Ventilated Baby

- Michael Georgieff, MD

The Baby With Endocrine Problems

Evaluation and Management of the Child with Congenital Adrenal Hyperplasia

- Craig Alter, MD

Management of Glucose in the Preterm Infant

- Charles Stanley, MD

The Hypothyroid/ Hyperthyroid Maternal-Infant Pair

- Susan Rose, MD

WELCOME RECEPTION

“Major themes of the meeting include: Management of Neonatal Lung Disease, The Baby with Endocrine Problems, The Neonate with Cardiac Disease, Transfusion and Fluid Therapy in Newborn Medicine, Fetal Diagnosis and Management in the Modern Era, and Neonatal Brain Injury. Each of these sessions has many of the foremost experts in the country addressing the topics for which they have become renowned.”

Friday, February 24, 2012
Seminars in Neonatology

The Child With Heart Disease

WELCOME AND ANNOUNCEMENTS

Pre-operative Management of the Single Ventricle Infant
- *Christopher Petit, MD*

The Recognition and Management of Cardiac Dysrhythmias
- *Randall Bryant, MD*

The Ductus Arteriosus—Problem of Not?
- *Ron Clyman, MD*

Long-term Outcomes in Cyanotic Heart Disease
- *Arwa Saidi, MD*

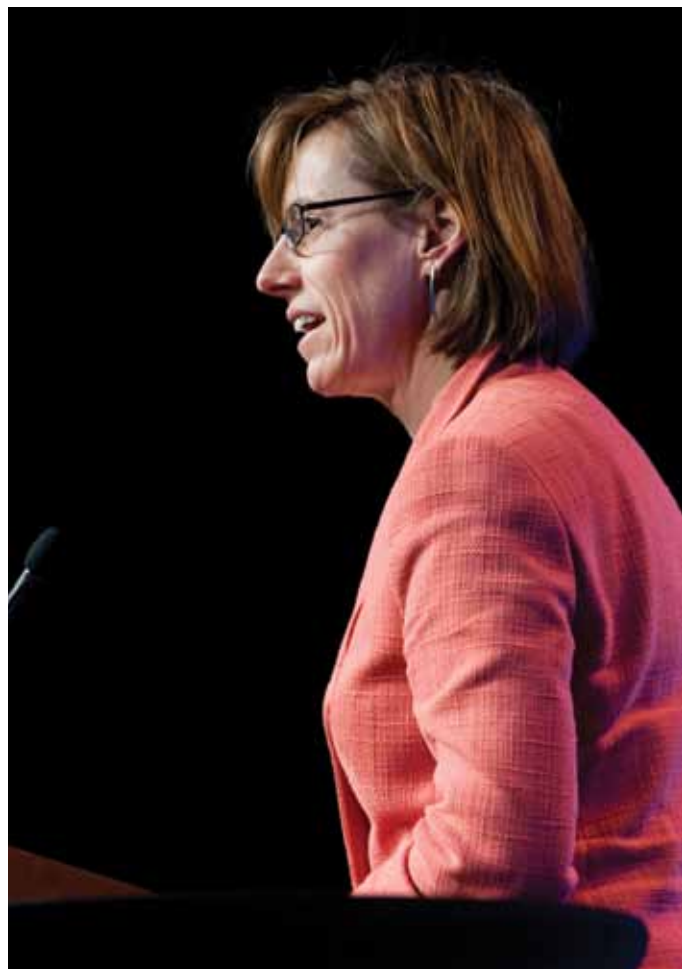
Transfusion and Fluid Therapy Medicine

The History of Fluid Therapy in Neonatal Medicine
- *William Oh, MD*

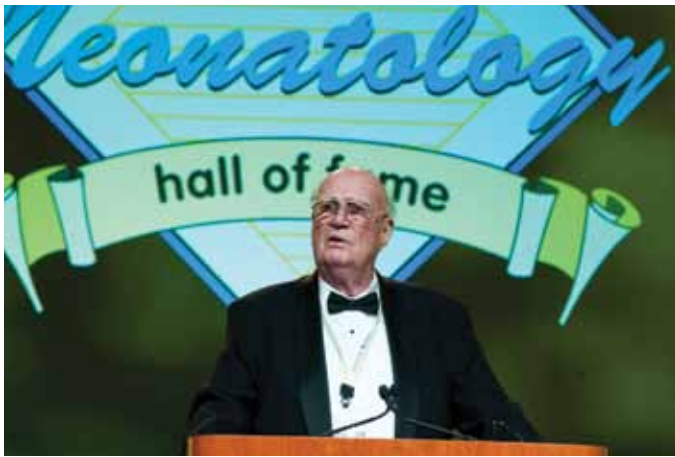
The Science and Management of Transfusion Therapy
- *Bob Christensen, MD*

NEC and Transfusion—What Do the Data Show?
- *David Paul, MD*

Legends of Neonatology Gala and Award Ceremony
(see page 10 for details). **Honorees: William Oh, MD and Abraham M. Rudolph, MD**



“The NEO Conference is run alongside another great meeting in Newborn Medicine—Specialty Review 2.0—for individuals looking for a broader review of the field of Neonatology. “



Saturday, February 25, 2012
Seminars in Neonatology

Fetal Diagnosis and Management in the Modern Era

Prenatal Ultrasound—Why, How When?

- Jennifer McNulty, MD

Fetal Monitoring and Antenatal Testing

- Thomas Garite, MD

Fetal Diagnosis and Management of Congenital Heart Disease

- Wayne Tworetzky, MD

Medical and Surgical Intervention in the Fetus

- Timothy Crombelholme, MD

Sunday, February 26, 2012
Seminars in Neonatology

Neonatal Brain Injury

White Matter Injury in the Pre-Term Infant

- Praveen Ballabh, MD

The Child With a Myelomeningocele

- Lee Sutton, MD

Hypoxic-Ischemic Injury and Cooling

- Michael Weiss, MD

A CQI Approach to Reducing Birth Injury

- Dale Reisner, MD

FINAL COMMENTS

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Legends of Neonatology Gala Award Ceremony

February 24, 2012

Please join us in honoring our 2012 award recipients whose efforts have contributed so much to the care of the critically-ill neonate. Drs. William Oh and Abraham M. Rudolph will be inducted into the Legends of Neonatology Hall of Fame, which was established in 2007.

WILLIAM OH, MD



William Oh is truly one of the founders of the field of Newborn Medicine and has taught us much of what we know of metabolism, minerals, and fluids and electrolytes in the newborn infant. Originally trained in the Phillipines, where he received his MD degree, he came to the United States in 1958, doing a pediatric residency at Michael Reese Hospital in Chicago. He subsequently became Chief Resident and a research fellow in neonatology at that institution. Between 1964 and 1966, he initiated a series of research projects at the Karolinska Institute in Stockholm that resulted in one of the first series of papers to examine neonatal blood pressure, neonatal blood volume, neonatal hemodynamics, and neonatal renal function. He became Director of Neonatology at Michael Reese in 1966, subsequently joining the faculty as Chief of Neonatology at Harbor General Hospital in California from 1969-1974. In 1975, he left California and migrated to the East Coast, becoming Pediatrician-in-Chief of

Women and Infants Hospital of Rhode Island and Professor of Pediatrics and Obstetrics at Brown University, where he later was appointed Chairman of the Department of Pediatrics in 1989. During this highly productive part of his career, Dr. Oh published virtually non-stop in a number of areas of Newborn Medicine. He continued his efforts at understanding neonatal blood pressure, the role of acid-base balance upon abnormal fetal heart rate patterns and neonatal well-being, the effects of insensible water loss upon neonatal metabolism, nutritional well-being in neonates, neonatal glucose metabolism, intrauterine growth retardation, neonatal renal function, bilirubin toxicity, and many others. Increasingly, he has become interested in long-term neurodevelopmental outcome following NICU hospitalization and has been a leading figure in the NICHD Neonatal Network. He has won numerous major awards and honors, including the Apgar Award of the AAP. Dr. Oh has long been focused on one of the key areas of modern medicine, namely improving outcomes for neonates, and has contributed as much as any living neonatologist in that regard. Dr. William Oh remains active on the faculty of Brown University to this day and is truly a Legend of Neonatology.

ABRAHAM M. RUDOLPH, MD



It has been said of Dr. Abraham Rudolph that he is responsible for much of what we know about congenital heart disease. Born in South Africa, he went to medical school at the University of Witwatersrand, winning most of the prizes awarded in his graduating class, where he graduated summa cum laude. He did his initial training at Transvaal Memorial Hospital for Children, but subsequently spent a year in the United Kingdom. After briefly returning to South Africa, he decided to move to the United States and studied with the great cardiologist, Alexander Nadas, at Boston Children's Hospital. There he initiated a number of classical studies in pediatric cardiology involving digitalis in infants and children, pulmonary stenosis, atrial septal defect, aortic stenosis, PDA, VSD, Tetralogy of Fallot, and transposition of the great vessels. Much of the knowledge gained from this research led to the publication of his famous textbook entitled *Congenital Diseases of the Heart: Clinical-Physiological Considerations*, which

first appeared in 1974 and then was revised in 2001 and 2009. Dr. Rudolph was also one of the first individuals to recognize and study pulmonary hypertension and the effects of a variety of agents on the pulmonary circulation. He originated many of the techniques of pediatric cardiac catheterization during the 1950's, and was the first person to catheterize the premature infant, demonstrating the PDA in babies with Hyaline Membrane Disease. In the 1960's, Dr. Rudolph moved to Einstein College of Medicine, where with Michael Heymann, he began a series of groundbreaking studies on pulmonary circulation and the fetal circulation, utilizing injected microspheres for the first time to measure flow to various organs in animal preparations. In 1966, Dr. Rudolph migrated West to the University of California at San Francisco and the Cardiovascular Research Institute, rearing the use of microspheres to measure changes in fetal circulatory development. He also initiated his classic studies in the ductus arteriosus, and together with Dr. Henry Edmunds, was responsible for the first successful ductal ligation in a pre-term infant. He is widely renowned for his extensive experimental studies of developmental and postnatal physiology and pathophysiology. In addition, he has been a member of the National Institute of Medicine of the National Academy of Sciences, President of the American Pediatric Society, Chairman of the Section on Cardiology of the AAP, and editor of the classic general pediatric textbook, *Rudolph's Pediatrics*. His contributions to cardiac care of the infant are extraordinary, and he is a true Legend of Neonatology.

Neonatology Hall of Fame - Past Honorees

The late Virginia Apgar	John A. Clements	George Gregory	Lucille Ann Papile
Mary Ellen Avery	Maria Delivoria-Papadopoulos	Marshall Klaus	Mildred Stahlman
Robert Bartlett	Stanley J. Dudrick, MD	Jerold Lucey	
Forrest M. Bird, MD, PhD, ScD	Avroy Fanaroff	William Norwood	



“Major themes of the meeting include: Management of Neonatal Lung Disease, The Baby with Endocrine Problems, The Neonate with Cardiac Disease, Transfusion and Fluid Therapy in Newborn Medicine, Fetal Diagnosis and Management in the Modern Era, and Neonatal Brain Injury.”

**COMMENTS FROM THE 2011 ATTENDEES OF
NEO – THE CONFERENCE FOR NEONATOLOGY:**

“Overall, an excellent conference. I look forward to returning in the future.”

“Overall very thoughtful, informative and educative conference.”

“Conference maintained the high standards which we have expected and appreciated.”

“I keep telling people: this is the one of best conferences I’ve ever been to because it’s concise, relevant, up-to-date and extremely practical. “

“It was a well-run and information-filled conference. Thank you!”

“This year was a good balance in clinical and basic science/research topics.”

“It was terrific!!”

“I completely enjoyed it.”

“The Gala...was a wonderful night of food, entertainment and such a lovely way to honor these marvelous people. Thank you so much for having this a part of Neo Conference.”

“I enjoy this conference a lot and have attended for 3 consecutive years. Always informative!”

“Great conference. I enjoyed the Gala.”

“Thank you for all of your hard work and dedication for making this conference such a success.”

“Thanks. Hall of Fame spectacular. Very nice work by Dr. Alan Spitzer”

“Wonderful conference. Great speakers.”

“Looking forward to the next conference, hoping for more information that can be applied in the clinical setting”



NEO REGISTRATION INFORMATION

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NEO Registration Fees				CQI Pre-Conference Registration Fees
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Business / Other	\$975	\$1,175	\$400	

What is Included in Your NEO Conference Registration?

	CQI	NEO Options					
	CQI Day Only	NEO Only	NEO and CQI	NEO Single Day Thu	NEO Single Day Fri	NEO Single Day Sat	NEO Single Day Sun
WEDNESDAY, FEBRUARY 22, 2012							
CQI Class Participation*	•		•				
Breakfast	•		•				
AM Break	•		•				
Lunch	•		•				
PM Break	•		•				
CQI Reception	•		•				
THURSDAY, FEBRUARY 23, 2012							
NEO Day Class Participation*		•	•	•			
AM Break		•	•	•			
Lunch		•	•	•			
PM Break		•	•	•			
Welcome Reception		•	•	•			
FRIDAY, FEBRUARY 24, 2012							
NEO Day Class Participation*		•	•		•		
AM Break		•	•		•		
Lunch		•	•		•		
PM Break		•	•		•		
Legends of Neonatology Gala Banquet**		•	•		•		
SATURDAY, FEBRUARY 25, 2012							
NEO Day Class Participation*		•	•			•	
AM Break		•	•			•	
Lunch		•	•			•	
PM Break							
SUNDAY, FEBRUARY 26, 2012							
NEO Day Class Participation*		•	•				•
AM Break		•	•				•
Lunch							•

* Tuition includes access to all courses, course syllabus and free CME/CNE credit processing for courses completed.
 ** Legends Gala includes reception, dinner and award ceremony. Legends Gala is complimentary for Full Conference registrants only (not Single Day). Guests of registrants and Single Day participants may purchase a ticket for \$80.

Breakfast will not be provided

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SAVE THE DATE!

NEO 2013

February 21st - 24th, 2013
The Hilton Bonnet Creek,
Orlando, FL

SR2.0 2013

February 21st - 25th, 2013
The Hilton Bonnet Creek,
Orlando, FL

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